

# Current Science 2007–2008 Index

The first number indicates the issue; the second number indicates the first page of the article in which the term is found.

## ACACIA TREE, 14:12

adhesive tape, 5:12  
aerodynamic fish, 6:10  
aeroclastic flutter, 10:12  
aftershock, 6:8  
aging, 3:14  
air, as auto fuel, 12:6  
aircraft design, 5:15  
albedo, 9:4  
Allen Telescope Array, 10:13  
allergy, 3:4  
alternate universe, 9:8  
alternative energy, 16:10  
AMY1 gene, 8:15  
anabolic steroids, 9:6  
anaphylactic shock, 3:4  
ancestry, 8:6  
Anchorage, Alaska, 4:8  
Andes mountains, 12:4  
ant, and whistling thorn tree, 14:12  
Antarctica, hidden mountain range, 4:6  
Anthropocene epoch, 16:14  
antibiotics, 1:10  
Antikythera mechanism, 3:6  
ape, Bili, 5:13  
appendix, and beneficial bacteria, 14:13  
art, by bugs, 14:15  
arthritis, in cane toads, 10:14  
artifacts, conservation of, 5:4  
ash tree, 4:12  
Asian silver carp, 6:12  
asteroid, 8:14  
astrophysics, 15:10  
atmospheric vortex engine, 16:10  
atoms, and data storage, 9:14  
aurora, 9:8  
Australian cycad odor, 9:13  
autism, and vaccines, 10:15;  
myth of epidemic, 14:14  
automated external defibrillator, 10:6

## BABOONS, CAUSE TROUBLE, 8:13

back injury, and tennis players, 6:15  
bacteria, and swimming pool, 14:6  
bamboo bicycle, 3:12  
Baptistina asteroids, 8:14  
Baron, Carla, psychic, 14:12  
bar-tailed godwit, 8:3  
baseball, bat wood, 4:12;  
pitcher, 5:10  
battery, made of paper, 6:13  
Beall, Cynthia, 12:4  
bee, 5:6  
Beethoven, Ludwig van, 7:15  
beetle, 3:10  
bicycle, bamboo, 3:12  
bike transmission, 12:13  
Bili ape, 5:13  
biofuel cell, 8:4  
biohybrid prosthesis, 15:4  
Bionic car, 6:10  
bird count, 10:4

black hole, 7:4, 8:8  
black-footed ferret, population, 11:15  
blended-wing-body aircraft, 5:15  
blindness, and echolocation, 9:10  
blood, green, 2:13  
Blu-ray Disc, 1:15  
bone marrow, 16:8  
bottle-nose dolphin,  
and prosthetic tail, 13:8  
boxfish, 6:10  
brain, disease, 2:13;  
injury, 2:8, 4:10;  
waves, and video game, 13:10  
breathing rate, and high altitude, 12:4  
Brennan, Demi-Lee, 16:8  
bridge collapse, Minneapolis, 10:8;  
Tacoma Narrows, 10:12  
broccoli, and cancer, 11:12  
building design, 6:8  
Burns, Patrick, psychic, 14:12

## CACTUS RESCUE, 2:6

California ground squirrel  
tail temperature, 6:14  
California wildfire, 14:4  
camera watches tool-making crow, 9:15  
cancer, and broccoli, 11:12;  
cluster, 11:8;  
and inflammation, 7:8;  
video game, 4:15  
cane toad and arthritis, 10:14;  
and crocodile, 16:12  
captive breeding,  
of black-footed ferret, 11:15;  
and zoos, 14:6  
car, fueled by air, 12:6  
carbon capture and sequestration, 11:6  
carbon nanotube, 6:13  
carbon-based life, 7:6  
cardiac arrest, 10:6  
cardiopulmonary resuscitation, 10:6;  
glove, 1:13  
careers in science issue, 15  
carp, 6:12  
Carroll, Jeff, 12:10  
Cassini, 10:10  
cat-cam, 1:3  
cell phone, and owls, 10:4  
chacma baboon, causes trouble, 8:13  
chimpanzee, Bili, 5:13;  
DNA, 8:15  
chlorine, and swimming pool, 14:6  
chlorofluorocarbon (CFC), 9:12  
cholera, and appendix, 14:13  
clay, and methicillin-resistant  
*Staphylococcus aureus*, 12:12  
Clayton County, Ga., wetland, and  
wastewater, 13:12  
climate feedback, 9:4  
*Clostridium difficile* bacterial  
infection, 13:12  
cold medicine, safety of, 15:12

collapsing-star theory, 8:8  
colony collapse disorder, 5:6  
Coltrane, John, 16:15  
comet explosion, 3:15  
compressed air, as auto fuel, 12:6  
computer, ancient, 3:6  
concept car, 6:10  
concussion, 2:8  
Congo, Democratic Republic of, 5:13  
construction design, 6:8  
continuously variable transmission, 12:13  
Contois, Mark, 11:4  
coronal mass ejection, 5:8  
coronary artery disease, 7:8  
Costa Rican rain forest, 1:4  
cough medicine, safety of, 15:12  
crocodile, and cane toad, 16:12  
crow, tool-making, 9:15  
crystal, 2:15  
*Current Science* anniversary, 7:3  
cycad, odor released by, 9:13

## DAM, MAINTENANCE, 10:8;

IRAQ, 12:15;  
THREE GORGES, 8:14  
dark energy and dark matter, 7:4  
defibrillator, 10:6  
Democratic Republic of Congo, 5:13  
desertification, 7:12  
diabetes, 6:6, 7:8  
dinosaur, 8:14  
DNA (deoxyribonucleic acid), 7:6, 13;  
test, 8:6  
dog, mummified, 3:13;  
nurses kitten, 9:3  
dolphin tail, prosthetic, 13:8  
double diabetes, 6:6  
double helix, 7:13  
dress, color-changing, 11:14  
drought, Southeast U.S., 13:12;  
Southwest U.S., 1:8  
drug addiction, and prisoners, 15:8  
drywall, and earthquakes, 6:8  
duck-billed platypus, 2:12  
dust helix, 7:13  
dysentery, and appendix, 14:13

## EARTH, OXYGEN WITHIN, 10:15;

POST-HUMAN, 7:10  
earthquake, construction design, 6:8;  
and talc, 6:13  
echolocation, 9:10  
ectomorph, 1:6  
elbow injury, 6:15  
electricity, and fish bill, 2:12;  
generated by human body, 8:4;  
generation of, 2:4;  
and overhead wires, 16:14;  
standby, 11:14  
electrocardiograph, 1:13  
electroencephalograph (EEG), and  
video game, 13:10

elephants, and mining, 11:10  
 Elgon, Mount, 11:10  
 emerald ash borer, 4:12  
 Empire State Building, 1:12  
 Enceladus, 10:10  
 endangered species, 6:4, 13:15  
 endorphin, 13:3  
 energy, alternative, 16:10;  
   compressed air, 12:6;  
   dark, 7:4;  
   "harvesting," 8:4;  
   kinetic, mechanical, piezoelectric,  
   potential, 8:4;  
   vampire, 11:14  
 English Channel, 5:14  
 erythropoietin (EPO), 9:6  
 Everett, Kevin, 13:4  
 exam scores and finger length, 1:15  
 exercise, and aging, 3:14  
 extrasolar planet, search for, 15:10;  
   water on, 4:15  
 extremely drug-resistant tuberculosis  
   (XDR-TB), 1:10

#### **FACET JOINT ARTHROPATHY, 6:15**

Fallon, Nev., and cancer, 11:8  
 fecal transplant, 13:12  
 ferret population, 11:15  
 finger length and exam scores, 1:15  
 fish, aerodynamic, 6:10;  
   bill, 2:12;  
   invasive species, 6:12  
 flight, longest by land bird, 8:3  
 flooding, Great Britain, 5:14  
 flowering palm tree, 15:13  
 flu, and winter, 13:14  
 food allergy, 3:4  
 fossil fuel burning, 11:6  
 FOXP2 gene, 15:6  
 Frayne, Shawn, 10:12  
 frog, fossil, 16:12;  
   glass, 1:4;  
   see-through, 8:13  
 fuel-efficient car, 6:10  
 fuel load, and wildfire, 14:4

#### **GALAXY, 7:4**

Galchenko, Vova and Olga, 16:4  
 Gamburtsev Mountains, 4:6  
 gamma-ray burst, 8:8  
 gear ratio, 3:6  
 gecko-mussel tape, 5:12  
 genetic diversity, 1:6, 6:4  
 genetics, 8:6  
 genome, 8:7;  
   artificial, 15:12  
 geophagy, 11:10  
 geyser, 15:14  
 g-force, 4:4  
 Giambi, Jason, 9:6  
 glacial lake, 5:14  
 glass frog, 1:4  
 global warming, 1:8, 2:14, 9:4,  
   11:6, 14:4  
*Golden Compass, The*, 9:8  
 Gould, Glenn, 8:12  
 gravity, 7:4, 16:4

Great Lakes, 2:14  
 Great Wall of China, 7:12  
 green blood, 2:13  
 Greenland ice sheet, 9:4  
 grizzly bear, 6:3  
 gypsum rock, and Mosul Dam, 12:15

#### **HADLEY CELL, 1:8**

Halocene epoch, 16:14  
 Hatfield-McCoy feud, 3:13  
*Haunting Evidence*, 14:12  
 HD 189733b, 4:15  
 head trauma, 2:8  
 health care, and prisoners, 15:8  
 health myths, 13:3  
 heart condition, 10:6  
 heat shield, 4:4  
 helix, 7:13  
 hemoglobin, and high altitude, 12:4  
 hepatitis C, 15:8  
 Herr, Hugh, 15:4  
 high-altitude study, 12:4  
 high-definition TV, 1:15  
 hockey skate, and heated blade, 14:15  
 hole in universe, 9:14  
 honeybee, 5:6  
 Honeycomb Vase, 15:15  
 hot Jupiter, 4:15  
 hot spot, 4:6, 15:14  
 hovercraft, 7:14  
 humans' lasting products, 7:10  
 humidity, and flu, 13:14  
 Huntington's disease, 12:10  
 hurricane simulation, 3:8  
 hydrofluorocarbon (HCFC), 9:12  
 hydrothermal explosion, 15:14  
 hypothermia, and spinal cord injury, 13:4

#### **ICE AGE, 3:15**

ice sheet, Arctic, 9:4  
 immune system, and allergy, 3:4;  
   and inflammation, 7:8;  
   and organ transplant, 16:8  
 incandescent lightbulb, 1:12  
 inflammation, 7:8  
 infrastructure, 10:8  
 insecticide-treated mosquito net, 7:13  
 insulin, 6:6  
 iPod, 5:15  
 Iraq, Mosul Dam, 12:15;  
   war, 4:10

#### **JADARITE, 1:14**

Jarvis, Erich, 15:6  
 Jones, Marion, 9:6  
 juggling, 16:4

#### **KEENE, MATT, 10:6**

Kerguelen hot spot, 4:6  
 keyhole surgery, 7:14  
 kidney, extra, 16:3;  
   surgery, 7:14;  
   transplant, 16:8  
 Kilauea, 12:14  
 Kish, Dan, 9:10  
 Kitum Cave, 11:10  
 kryptonite, 1:14

#### **LAKE SUPERIOR, 2:14**

Landis, Floyd, 9:6  
 landslide, 8:14  
 La Niña, 1:8  
 laparoscopy, 7:14  
 laser, 1:15  
 lateral epicondylitis, 6:15  
 lava, 12:14  
 lead poisoning, 7:15  
 leukemia, 11:8  
 Life Saver effect, 2:15  
 lightbulb, 1:12  
 light-emitting diode (LED), 1:12  
 lightning strike, 5:15  
 liver, disease, 15:8;  
   transplant, 16:8  
 Lower Yosemite Fall, moonbow, 13:6  
 lunar exploration, 2:10  
 lung disorder, and popcorn, 14:10

#### **MACAQUE, CAUSES TROUBLE, 12:12**

Magdeburg Water Bridge, 6:14  
 magma, 15:14  
 magnetism of atoms, 9:14  
 majorite, 10:15  
 malaria, 7:13  
 malnutrition treatment, 16:12  
 mammal die-off, 3:15  
 mantle, Earth, 10:15  
 many-worlds theory, 9:8  
 Masters, Forrest, 3:8  
 Mathcounts National Championship, 3:3  
 matter, 7:4  
 Mauna Loa, 12:14  
 McCoy-Hatfield feud, 3:13  
 medicine, cough and cold, 15:12  
 methicillin-resistant *Staphylococcus aureus* (MRSA), 12:12  
 microwave popcorn, and lung disorder, 14:10  
 milk, raw, 8:10  
 mineral, 1:14  
 MiniCAT, 12:6  
 Mira, 5:14  
 mite, 5:6  
 Montreal Protocol, 9:12  
 moon base, 2:10  
 moonbow, 13:6  
 moose, 4:8  
 mosquito net, 7:13  
 Mosul Dam, 12:15  
 mountain climbing, 15:4  
 mountain pine beetle, 3:10  
 mouse, and endurance, 11:13  
 multidrug-resistant tuberculosis  
   (MDR-TB), 1:10  
 mussel-gecko tape, 5:12  
 mutualism, 14:12  
*Mycoplasma genitalium*,  
   genome of, 15:12

#### **NANOTECHNOLOGY, 9:14**

New York City subway flooding, 7:10  
 nighttime rainbow, 13:6  
 Nomex space suit, 4:4  
 North American paddlefish, 2:12  
 nothing, 9:14  
 NuVinci bike transmission, 12:13

**OCELOT, 6:4**

Old Faithful, 15:14  
 Oliver, John, psychic, 14:12  
 organ transplant, 16:8  
 overuse injury, 5:10, 6:15  
 owls, and cell phone, 10:4  
 oxygen, in Earth, 10:15  
 ozone, and swimming pool, 14:6  
 ozone layer, 9:12

**PADDLEFISH, 2:12**

paintball gun safety, 11:4  
 painting, authenticity, 4:14  
 palm tree, flowering, 15:13  
 paper battery, 6:13  
 parabola, 16:4  
 parachute, 4:4  
 paralysis, 13:4  
 Parkinson's disease, 2:13  
 parotid gland, 10:14  
 pasteurization, 8:10  
 peanut allergy, 3:4  
 peanut butter paste, 16:12  
 Peng Shulin, 14:3  
 PEPCK-Cmus mouse, 11:13  
 pesticides, 2:13  
 phantom load, 11:14  
 physical exercise, and aging, 3:14  
 pianist, 8:12  
 piezoelectricity, 8:4  
 pigeon owner arrest, 4:13  
 pine beetle, 3:10  
 plasma, 7:13  
 plastic, 7:10  
 platypus, 2:12  
 Plumpy'nut, 16:12  
 police chase, 11:13  
 pollination, 9:13  
 Pollock, Jackson, 4:14  
 "popcorn lung," 14:10  
*Popular Mechanics*  
   Breakthrough Award, 10:12  
 population, 2:15  
 power, generation of, 2:4  
 predation, without humans, 7:10  
 prison inmates, and health care, 15:8  
 projectile, 16:4  
 prosthesis development, 15:4  
 prosthetic tail, dolphin, 13:8  
 psychic detectives, 14:12  
   quantum teleportation, 16:13

**RADIO SIGNAL, 10:13**

rain forest, 1:4  
 rainbow, nighttime, 13:6  
 raptor killer arrest, 4:13  
 raw milk, 8:10  
*Re-Mission*, 4:15  
 renewable resource, 2:4  
 rhesus macaque,  
   causes trouble, 12:12  
 Rich, Josiah, 15:8  
 RNA (ribonucleic acid), 7:6  
 road maintenance, 10:8  
 roller pigeon owner arrest, 4:13  
 "runner's high," 13:3  
 running speed of dinosaur, 5:3

**SAFFIR-SIMPSON****HURRICANE SCALE, 3:8**

Saharan dust, 15:3  
 salt, and swimming pool, 14:6  
 San Andreas Fault, 6:13  
 San Francisco Zoo, and tiger attack, 14:8  
 sandstorm, and Great Wall, 7:12  
 Santa Ana winds, 14:4  
 Saturn moon, 10:10  
 saxophone, high note, 16:15  
 sea foam, 13:12  
 sea ice, Arctic, 9:4  
 Seager, Sara, 15:10  
 second-impact syndrome, 2:8  
 see-through frog, 8:13  
 seismic wave, 6:8  
 Seoul Commune 2026, 2:15  
 shake table, 6:8  
 shield volcano, 12:14  
 shipwreck, 3:6, 5:4  
 shower curtain effect, 3:14  
 silicon-based life, 7:6  
 silver carp, 6:12  
 siteswap, 16:4  
 skate blade, heated, 14:15  
 skydiving, 4:4  
 snake, and California ground  
   squirrel, 6:14;  
   poisonous neck, 1:13  
 snow doughnut, 9:12  
 solar flare, 5:8  
 songbird brain, 15:6  
 space, 7:4  
 space suit, skydiving, 4:4  
 spaceliner, 15:15  
 speed, 4:4  
 spinal cord injury, and hypothermia, 13:4  
 spray, shower, 3:14  
 standby electricity, 11:14  
 starch digestion, chimpanzee, 8:15  
 StarChase Pursuit  
   Management System, 11:13  
 stem cell, 16:8  
 STEREO (Solar Terrestrial Relations  
   Observatory), 5:8  
 steroid, 9:6  
 stool transplant, 13:12  
 string theory, 9:8, 13:14  
 sudden cardiac arrest, 10:6  
 sulfhemoglobin, 2:13  
 sulfuraphene, 11:12  
 sun, 5:8  
 surgery, 7:14  
 swimming pool treatment, 14:6  
 swimming record, 1:6  
 sycamore, diamond pattern in, 10:13

**TACOMA NARROWS BRIDGE, 10:12**

talc, and earthquakes, 6:13  
 Tambora, Mount, 12:8  
 tape, 5:12  
 Tatum, Art, 8:12  
 TB, 1:10  
 tectonic plate, 4:6, 6:8  
 teleportation, 16:13  
 telescope, 10:13  
 tendon, 6:15

tennis injury, 6:15  
 Thermablade, 14:15  
 Three Gorges Dam, 8:14  
 thrip, and cycad, 9:13  
 tiger attack, 14:8  
 tiger keelback snake, 1:13  
*Titanic*, 5:4  
 toad, poisonous, 1:13;  
   cane, 10:14, 16:12  
 "Tommy John surgery," 5:10  
 tool-making crow, 9:15  
 tornado, artificial, 16:8  
 Town, Jon, 4:10  
 transmission, bike, 12:13  
 transonic speed, 4:4  
 traumatic brain injury, 4:10  
 tree, die-off, 3:10, 4:12;  
   flowering palm, 15:13  
 triboluminescence, 2:15  
 tuberculosis, 1:10  
 turtle breeding, 13:15

**U.S. ARMY DISCHARGE, 4:10**

ulnar collateral ligament  
   reconstruction, 5:10  
 Underwood, Ben, 9:10  
 universe, another, 13:14;  
   hole in, 9:14;  
   matter in, 7:4  
 urban sprawl, 2:6

**VACCINE, AND AUTISM, 10:15**

van der Waals forces, 5:12  
 Venter, Craig, 15:12  
 video game, and cancer, 4:15;  
   controlled by brain waves, 13:10  
 vocal tract, 16:15  
 vocalization, bird, 15:6  
 void, in universe, 13:14  
 volcanic eruption, 12:8, 14  
 Von Hippel-Lindau disease, 3:13  
 vortex, 3:14  
 vortex engine, 16:10

**WASTEWATER, AND WETLAND, 13:12**

water level, 2:14  
 water shortage, 13:12  
 Watson, Wayne, 14:10  
 Weald-Artois ridge, 5:14  
 weight training, and aging, 3:14  
 Weisman, Alan, 7:10  
 wetland, and wastewater, 13:12  
 whistling thorn tree, 14:12  
 wild animals, and zoos, 14:6  
 wildcat, 6:4  
 wildfire, California, 14:4  
 wind farm, 2:4  
 Winter the dolphin, 13:8  
 winter, and flu, 13:14  
 Wint-O-Green Life Saver effect, 2:15  
*World Without Us, The*, 7:10

**YANGTZE GIANT**

**SOFT-SHELL TURTLE, 13:15**  
 "Year Without a Summer," 12:8  
 Yellowstone Park, 15:14